LEAN SAFETY BEST KNOWN METHODS

Abstract

The Safe Build Alliance is working to gather Best Known Methods in Lean that benefit the construction project. The benefit could enhance safety, efficiency, or quality. Please consider those activities that are conducted by multiple trades, ergonomic innovations, housekeeping best practices or anything that eliminates waste. We are looking for lean tools and actual activities that can be shared throughout the Safe Build Alliance Construction Community.

Remember, ***Waste*** is:
Defects – anything that created re-work
Overproduction – building more than is ready to be installed resulting in storage and/or housekeeping issues
Waiting – wasted time waiting for the next trade, waiting for late deliveries, etc.
Non-Utilized Talent – Underutilizing peoples' skills; light duty work due to an injury
Transportation – moving anything more than once before it becomes work in place
Inventory – extra storage of anything, storing concrete formwork or similar materials after completion
Motion – unnecessary movement of people, taking too many steps to distribute something that can be distributed via use of material handling equipment, etc.
Extra-processing – Higher quality than required

Please submit your Lean BKM's to

dtoy@andersen-const.com

McCARTHY ANDERSEN CONSTRUCTION
A JOINT VENTURE

Knight Cancer Research Building

Lean Construction / Lean Safety Best Known Methods

Lean Champions:

Eric Burnell / ASI Structures
Ryan Hickey / Western Rebar
Antonio Dominguez / Western Rebar

BKM - 57: Preinstall Embeds on closure panels Elevator Core

How does it work?

Area to describe the BKM and how it works

ASI and Western teamed up to plan the preinstall of embeds on the panels instead of hanging the embeds off rebar. Western and ASI measured the pretied curtains and made sure the vertical and horizontal bars did not interfere with the embeds.

How does this benefit the project?

Area to describe how this BKM ties to the safety of the project. Also pictures can be added below.

This will ensure that the embeds are in the right place when it comes time to install the steel structure. There is a little more planning and pre-work, but it will benefit the job when the steel is erected without a hitch. It makes it safer because all the work and planning is done on the ground not hanging of a curtain.

Why is this a Lean Method?

Area to describe how this BKM ties to Lean and Safety

It saves time by not having to climb the rebar curtain and hang the heavy embed and hope it is right. All the work is done while the curtain and panel is on the ground this makes the task safer as well and easier on the body. A little pre-planning goes a long way.

Please attach or include photos of the before & after